In 2015, the hydropower world comes together to shape the future. Be part of it.

The world’s reference event for hydropower leaders and experts from business, government, civil society, research and the finance sector

Organised under the auspices of: China’s National Energy Administration

With the support of: China Association for Science and Technology

By: 

with organising partners:
Meet today’s leaders.

Launched in 2007, the World Hydropower Congress is the world’s premier event for hydropower decision-makers and experts.

2015 World Hydropower Congress

Organised by:
The International Hydropower Association

Under the auspices of:
The National Energy Administration, China

With the support of:
China Association for Science and Technology

Main sponsors:
China Datang Corporation
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Electricité de France
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Power Construction Corporation of China
Sarawak Energy
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Organising partners:
China Society for Hydropower Engineering
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International Institute for Environment and Development
International Union for the Conservation of Nature
International Water Management Institute
Renewable Energy Alliance
Renewable Energy Policy Network for the 21st Century
State Secretariat for Economic Affairs (Switzerland)
Transparency International
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Share your vision.

The world recently passed the threshold of 1,000 GW of installed hydropower capacity.

The 2015 World Hydropower Congress will look at the policy, business, environmental and social challenges facing the sector.

The International Energy Agency has forecast that world hydropower capacity might double by 2050. Leaders and experts will share their opinions on this forecast and what it means for the sector.

The congress programme will include high-level panel discussions and interactive debates. 26 sessions are programmed over the course of three days, including plenaries on Asia and Africa, co-convened with the Asian Development Bank and the African Union Commission, respectively.
Sponsors and Partners

Organised under the auspices of China’s National Energy Administration

With the support of: China Association for Science and Technology

By:

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The World Hydropower Congress is the world’s premier event for hydropower leaders and experts. Register early for an opportunity to discuss the future of hydropower with the world’s top influencers in the sector.
Tuesday 19th May

Assessing the sustainability of hydropower projects: introductory training
Tuesday 19 May, 10.00–13.00
This special training event is for operators, developers, project financiers, and representatives of NGOs and governments, who want to learn how to develop and run sustainable hydropower projects. Additional fees apply.

Opening ceremony: focus on China
Tuesday 19 May, 14.30–16.00
China’s extraordinary developments have made the country one of the most influential actors in the sector today. What is the country’s strategy for sustainable hydropower development over the period 2015–50?

Speakers:
Ken ADAMS, President, International Hydropower Association;
LIU Qi, Director, National Energy Association (TBC);
ZHANG Qin, Deputy Chairman, China Association for Science and Technology (TBC);
WANG Shucheng, President, Chinese National Committee on Large Dams;
ZHANG Jiyao, President, China Society for Hydropower Engineering;
LU Chun, Chairman of the Board, China Three Gorges Corporation;
YAN Zhiyong, President, Power Construction Corporation of China;
LIN Chuxue, Executive Vice-President, China Three Gorges Corporation;
XIE Changjun, Vice-President, China Guodian Corporation;
XIA Zhong, Vice President, China Power Investment Corporation;
JIA Jinsheng, Vice President, China Institute of Water Resources and Hydropower Research, President, International Commission on Large Dams;
YANG Qingting, Assistant General Manager, China Huadian Corporation;
Convenor: International Hydropower Association

BRICS: leadership forum
Tuesday 19 May, 16.30–18.00
Brazil, Russia, India, China, and South Africa: five fast-growing economies that have an increasing influence on development regionally and globally. How will they contribute to shaping hydropower? Cai Jin-Yong, CEO of the International Finance Corporation, facilitates a discussion between high-level government representatives.

Invited: Governments of Brazil, Russia, India, China and South Africa

IHA General Meeting
Tuesday 19 May, 18.15–19.45
The meeting is an opportunity to discuss our future work programme and activities, connect with new members, and meet the IHA Board. The Mosonyi Award for Excellence in Hydropower will be presented during the meeting, recognising individuals within our membership for outstanding contributions to the sector.
Wednesday 20th May

2050 GW by 2050: what are the scenarios?
Wednesday 20 May, 11.30–13.00
Global energy scenarios present a range of projections for hydro development in the coming decades, ranging from a 50 per cent increase in installed capacity to a doubling of it by 2050. This session explores the drivers of expansion, and the possible pathways of future development.

Speakers:
Paolo FRANKL, Head of Renewable Energy, International Energy Agency; Dolf GIENE, Director of Innovation and Technology Centre, IRENA (TBC); Jacob IRVING, President, Canadian Hydropower Association; Hans-Wilhelm SCHIFFER, Chair of World Energy Resources Study Group, World Energy Council; ZHANG Boting, Vice Secretary General, CSHE

Co-convenor: World Energy Council

Water–energy nexus: how do we optimise water and energy services?
Wednesday 20 May, 11.30–13.00
The “water-energy nexus” relates to the impact on water in the supply of energy, and the amount of energy required to collect, clean, move, store and dispose of water. This session explores the challenges and opportunities facing the hydropower sector.

Speakers:
Reza ARDAKANIAN, Director, UNU-Flores; Antoine BADINIER, Deputy Vice-President, EDF Hydropower Generation and Engineering Division Ben BRAGA, President, World Water Council; Anita GEORGE, Senior Director, World Bank; Jakob GRANIT, Director, SEI; Marie-José NADEAU, Chair, World Energy Council; WANG Hao, Academician Chinese Academy of Engineering, Honorary Director, IHWR

Co-convenor: World Water Council

Development vs sustainability: how can we find the right balance?
Wednesday 20 May, 11.30–13.00
Everyone agrees that making development sustainable is what matters. But is sustainable development feasible when development needs, for energy and water, are urgent? What does it take to make it a reality?

Speakers:
Bernard BARANDEREKA, Energy Expert, African Union Commission; James DALTON, Coordinator of Global Initiatives, IUCN Water Programme; Enrique Ochoa REZA, CEO, CFE Mexico Torstein SJØTVEIT, CEO, Sarawak Energy; Mark TERCEK, CEO, The Nature Conservancy; ZHOU Jianping, Chief Engineer, Power China

Co-convenor: International Union for the Conservation of Nature

Greenhouse gas emissions and water quality: expert discussion
Wednesday 20 May, 13.10–14.10
The issue of greenhouse gas (GHG) emissions from reservoirs is attracting increasing focus from governments, lenders and other stakeholders. Reliable approaches are required to evaluate GHG emissions for all types of hydropower assets at different stages of development.

Speakers:
Miguel DORIA, Senior Scientist, Natural Resources Institute Finland; Atle HARDY, Director, SINTEF; Rikard LIDEN, Senior Hydropower Specialist, World Bank; Yves PRAIRIE, Chair, Global Environmental Changes, UNESCO; TAN Debao, Head of the Spatial Information Application Department, Changjiang River Scientific Research Institute; Vanessa WARNOCK, Principal Environmental Consultant, Mott MacDonald

Co-convenor: UNESCO-IHP

Connectivity for aquatic species: expert discussion
Wednesday 20 May, 13.10–14.10
The need to secure and restore ecological connectivity in rivers for aquatic species is well recognised, but how it is achieved in practice varies significantly and debate continues as to what success looks like. In this session the expert panel will discuss the key areas of river basin ecology which need to be understood to avoid and minimize habitat fragmentation. It will then discuss mitigation using targeted measures such as fish passes and fish friendly turbine.

Speakers:
CHEN Daqing, Head, Yangtze River Fisheries Research Institute, CTCG; Domingo FERNANDEZ, Chief Researcher, Itaipu Binacional; GAO Yong, Deputy Director, Chinese Sturgeon Research Institute, CTCG; LI Lifeng, Freshwater Director, WWF International; Jian-hua MENG, Water Security Specialist, WWF International; Stefan SCHMUTZ, University of Natural Resources and Life Sciences in Vienna, Austria

Co-convenor: WWF

Corporate Leaders’ Lunch
Wednesday 20 May, 13.10–14.10
Special networking event for corporate leaders in the hydropower sector. Invitation only.

Organisations involved: CEOs and heads of hydropower business

Convenor: International Hydropower Association
Wednesday 20th May

Future energy mix: how will it influence hydro development?

Wednesday 20 May, 14.30–16.00

Electric power systems are in a state of change. In response to climate concerns, many policymakers are re-evaluating their countries’ use of fossil fuels, while promoting a more renewable energy mix. How will this transition influence hydropower development? How can hydropower enable sustainable, reliable and affordable energy systems?

Speakers:
- Irene GINER-REICHL, Executive Director, GFSE
- Yoshiaki MINO, General Manager, Kansai Electric
- Peter RAE, Honorary Chair, International Renewable Energy Alliance
- Nasri SEBAYANG, PLN, Indonesia (TBC)
- Laura WILLIAMSON, Communication and Outreach Manager, REN21
- SHI Guosong, China Power Investment Corporation (TBC)
- Tony BENNETT, Director Dam and Public Safety, Ontario Power Generation (TBC)
- Rasim KAZIYAKEMETOV, Director of Technology Policy, JSC RusHydro
- Mario FINIS, Senior Vice President, MWH Global
- David WRIGHT, Senior Advisor, NVE
- CHEN Houqun, Academician, Chinese Academy of Engineering
- Edward WOJCZYNSKI, Portfolio Project Facilitator, Ghana Dams Dialogue
- Richard TWUM, Facilitator, Ghana Dams Dialogue
- Jose Carlos MINUZZO, Operations Director, Tractebel Energia
- QIU Xiliang, President and General Manager, Harbin Electric Machinery (TBC)
- WANG Dekuan, Chair, Beijing IWHR Technology Co., Ltd.

Modernisation: how can existing assets be optimised?

Wednesday 20 May, 14.30–16.00

By 2050, the entire 1000 GW of currently installed global capacity will require modernisation in order to align with changing market conditions, variable energy mixes and climate change. What are the opportunities and challenges and how can we make the best decisions to build resilient and flexible infrastructure?

Speakers:
- Jose Carlos MINUZZO, Operations Director, Tractebel Energia
- QIU Xiliang, President and General Manager, Harbin Electric Machinery (TBC)
- WANG Dekuan, Chair, Beijing IWHR Technology Co., Ltd.

Resettlement: what are the boundaries and responsibilities?

Wednesday 20 May, 14.30–16.00

Resettlement processes are challenging in the best of circumstances, and often present real risks to project implementation. Hard lessons have been learned in situations where responsibility for aspects of resettlement is left to third parties. How can resettlement programmes be tailored for success?

Speakers:
- SHI Guoqing, National Centre for Resettlement, Hohai University
- Thais SOARES, Socio-Environmental Consultant, ESBR Brazil
- Richard TWUM, Facilitator, Ghana Dams Dialogue
- Edward WOJCZYNSKI, Portfolio Project Management, Manitoba Hydro
- ZHANG Xiaoliang, Director of China Land Investment and Planning Institute

Hydropower safety: what is good practice?

Wednesday 20 May, 16.30–18.00

Safe construction and operation of hydropower facilities is one of the top priorities for any hydropower project. While hydropower is largely regarded as a very safe technology with a good performance record, recent accidents have highlighted the issue of hydropower safety around the world. What does good practice look like?

Speakers:
- Jean-Francois ASTOLFI, Exec Vice President, EDF
- Tony BENNETT, Director Dam and Public Safety, Ontario Power Generation (TBC)
- CHEN Houqun, Academician, Chinese Academy of Engineering
- Mario FINIS, Senior Vice President, MWH Global
- Rasim KAZIYAKEMETOV, Director of Technology Policy, JSC RusHydro
- David WRIGHT, Senior Advisor, NVE
- WU Shiyong, Deputy GM, Yalong River Corporation
- DEKKAN WANG, President and General Manager, Harbin Electric Machinery (TBC)
- Mario FINIS, Senior Vice President, MWH Global
- Rasim KAZIYAKEMETOV, Director of Technology Policy, JSC RusHydro
- David WRIGHT, Senior Advisor, NVE
- WU Shiyong, Deputy GM, Yalong River Corporation

Climate resilience: how can it be demonstrated?

Wednesday 20 May, 16.30–18.00

We have entered an era where climate risk is real, with extreme events and changes in hydrological patterns increasingly expected. New approaches to climate resilience will affect business decisions making and project financing. What are the expectations for and examples of climate resilient investment?

Speakers:
- Pierre BIEDERMANN, Principal Environment Advisor, EBRD
- Marco BRAUN, Hydroclimatology Specialist, OURANOS Consortium
- Diego RODRIGUEZ, Senior Economist, World Bank
- Tomasz SCHEN, Head of Climate Policies, Statkraft (TBC)
- Guoqing WANG, Professor, Nanjing Hydraulic Research Institute

Downstream flows: what is a sustainable compromise?

Wednesday 20 May, 16.30–18.00

The management of downstream flows from hydropower projects is an essential element of sustainable hydropower development. What are the compromises required to satisfy downstream social and ecological objectives in partnership with a profitable and reliable hydropower project?

Speakers:
- Li Yuan YUAN, Vice-President, General Institute of Water Resources and Hydropower Planning and Design
- Helen LOCHER, Principal Consultant for Sustainability, Hydro Tasmania
- Michael MCCLAIN, Chair Professor of Ecohydrology and Head of the Hydrology and Water Resources Chair Group, UNESCO-IHE
- Rebecca THARME, Director of Partnership, Great Rivers Partnership, TNC
Plenary session on assessing demand and opportunities: Asia

Thursday 21 May, 9.00 – 10.30

Asia is the richest hydropower region in the world; however, there are quite different rates of utilisation. Across the region, rates of growth between 4 and 8 per cent are placing huge demand on countries to rapidly expand their energy sectors. Ashok Bhargava, Director of the Asian Development Bank’s East Asia Division, will facilitate a discussion led by Tan Sri Adenan Satem, Chief Minister of Sarawak, bringing together high-level perspectives from Laos, Malaysia, Nepal, Pakistan and Tajikistan.

*Invited:* Governments of Laos, Malaysia, Nepal, Pakistan and Tajikistan.

*Co-convenor:* Asian Development Bank

Project and financial structuring: what are the new options?

Thursday 21 May, 11.30 – 13.00

An increasing number of models for project financing have been developed and tested. What has been the experience and how can good outcomes be replicated?

*Speakers:*
- DU Chunguo, Vice President, Overseas Business, Power China;
- A.B. GIRI, CEO, Hindustan Electric Power Limited;
- Morgan LANDY, Director of Transaction Risk Solutions, IFC;
- Kelly MALONE, Partner, King & Spalding;
- Hansong ZHU, President of China Investment Banking, Goldman Sachs.

*Co-convenor:* IFC

Sediment management: what are the mitigation options?

Thursday 21 May, 11.30 – 13.00

Sediment management is needed to reduce the loss of reservoir storage capacity and therefore available water resources for multiple services. This session will explore the mitigation techniques available.

*Speakers:*
- George ANNANDALE, Principal, Golder Associates;
- Marc GOICHOT, Programme Advisor, WWF;
- Pravin KARKI, Senior Hydropower Specialist, World Bank;
- Gregory MORRIS, Owner, GLM Engineering;
- SHI Qinghua, Dongfang Electric Machinery Co Ltd (TBC);
- WANG Zhao-Yin, Professor, Tsinghua University.

*Co-convenor:* Tsinghua University

Conservation: when is it compatible with hydropower development?

Thursday 21 May, 11.30 – 13.00

What synergies can be utilised when hydropower development is in environmentally sensitive river basins? What examples exist to demonstrate that hydropower projects can catalyse conservation and create win-win situations?

*Speakers:*
- Luiz Gabriel AZEVEDO, Sustainability Director, Odderbrecht;
- Garo BATMANIAN, Lead Environmental Specialist, World Bank;
- Jean Michel DEVERNAY, IHA honorary member;
- LI Yinsheng, CEO, CTG Brazil;
- Jeff OPPERMANN, Lead Scientist, Great Rivers Partnership, TNC.

*Co-convenor:* The Nature Conservancy

Macroeconomic benefits of hydropower: can we quantify them?

Thursday 21 May, 13.10 – 14.10

Current climate and energy policy seeks to build affordable, secure and sustainable energy systems. Hydropower is not only a cost-effective supply of low-carbon electricity; its use also encompasses considerable economic benefits. What is hydropower’s effect on today’s economy, and what is its role in future economies?

*Speakers:*
- Colin CLARK, Brookfield Renewable Energy Group; Niels NIELSEN, Joint Secretary, IEA Hydro;
- SHI Guoqing, Co-convenor, Project Manager, EDF.

*Co-convenor:* IEA Hydro

Good corporate governance: what is good practice?

Thursday 21 May, 13.10 – 14.10

Leadership in corporate governance is considered essential to the successful development of hydroelectric projects. There is increasingly emphasis on promoting transparency, integrity, accountability and stakeholder engagement for good governance. For hydropower, this is particularly relevant, due to the number and size of contracts that projects can involve.

*Speakers:*
- Susan COTÉ-FREEMAN, Head, Business Integrity Programme, Transparency International;
- Steve DAVY, CEO, Hydro Tasmania (TBC);
- Jean-Christophe PHILBE, Chairman, Nam Theun 2 Power Company;
- Segomoco SCHEPPIERS, Chairman, Eskom Uganda (TBC).

*Co-convenor:* Transparency International

Early stage sustainability: how can it be assessed?

Thursday 21 May, 13.10 – 14.10

The most important environmental and social mitigation measure is good site selection. Pre-feasibility studies often miss the opportunity to explore the full range of sustainability elements during site selection. What are the benefits of assessing potential projects against a strategic framework that identifies environmental, social, technical and economic risks and opportunities?

*Speakers:*
- Andrew T. BARFOUR, Director/Project Coordinator, Ghana Energy Development and Access Project;
- Mattia CELIO, Programme Manager, SECO;
- Roger GILL, Principal Consultant, Hydro Focus Pty;
- Fekahmed NEGASH, Executive Director, ENTRO, Nile Basin Initiative.

*Co-convenor:* State Secretariat for Economic Affairs of Switzerland (SECO)
Thursday 21st May

Hydropower investment: how can risk and reward be balanced?
Thursday 21 May, 14.30–16.00
Hydroelectric plants are long-lived assets that attract an increasingly diverse spectrum of investors. At the same time, new ownership models are developing. What will the investment landscape look like in the coming decades?

Speakers:
- Edson Luiz DA SILVA, Director of Planning and Control, Tractebel Energia;
- Jessica FARMER, Principal Investment Officer, Infraventures;
- LI Guanghua, China Power Investment Corporation (TBC);
- M.M. MADAN, President and CEO, Jindal Power;
- Deepak RAUNIAR, CEO, Hydroelectricity Investment and Development Company Ltd;
- ZHAI Yongping, Senior Advisor, Asian Development Bank

Convenor:
International Hydropower Association

Regional development: how can benefits and costs be shared?
Thursday 21 May, 14.30–16.00
With 260 of the world’s rivers crossing at least one national boundary and electricity systems becoming more inter-connected, the future development of hydro-power will necessarily involve cooperation with stakeholders from neighbouring countries. How can this be done?

Speakers:
- James SPALDING HELLMERS, Director General Paraguay, Itaipu Binacional;
- Matthew McCARTNEY, Theme Leader for Ecosystems Services, IWMI;
- Jorge SAMEK, Director General Brazil, Itaipu Binacional;
- Sanjayan VELAUTHAM, Director General, ASEAN Centre for Energy;
- Xiang Zhejiang, Vice-President, Huaneng Lancang River Hydropower Company (TBC)

Co-convenors: ASEAN Centre for Energy, International Water Management Institute

Sustainability performance: how does it influence decisions?
Thursday 21 May, 14.30–16.00
The Hydropower Sustainability Assessment Protocol provides a common language to assess hydroelectric projects around the world, and has now been applied in over 15 countries on over 25 projects. How has this initiative helped decision makers?

Speakers:
- Mohamad Irwan AMAN, Sustainability Manager, Sarawak Energy;
- Pablo CARDINALE, Principal Specialist, Environmental, Social & Governance, IFC;
- LE Thi Ngoc Quynh, Deputy Director, EVN (TBC);
- LI Chong, China Three Gorges Corporation (TBC);
- Jamie SKINNER, Water Team Leader, International Institute for Environment and Development;
- Elisa XIAO, Principal Consultant, ERM (TBC)

Co-convenor: International Institute for Environment and Development

Closing ceremony: priorities for the hydro sector
To increase its contribution to development, hydropower must be developed sustainably, and with consideration to good practices. What are the actions and initiatives required to share knowledge more widely within the sector?

Speakers:
- Ken ADAMS, President, International Hydropower Association;
- Li Jugen, Vice-President, China Society Hydropower Engineering;
- Richard TAYLOR, CEO, International Hydropower Association;

Selected stakeholders from active hydropower regions will report on congress proceedings and discuss priorities.

Convenor:
International Hydropower Association
The World Hydropower Congress will offer participants the opportunity to visit and study some of China’s greatest cultural features and technical achievements.
China Three Gorges project
Saturday 16 – Sunday 17 May

The Three Gorges Dam is a multipurpose development project with major benefits in flood control, power generation, navigation and more. At 22,500 MW, the project is the world’s largest power station in terms of installed capacity, and in 2014 it broke the world record for annual generation, producing 98.9 TWh.

With a departure from Beijing, the tour will take participants to Yichang (Hubei province) to visit the dam site at the Three Gorges project. On day two, there will be a guided visit to the Xiling Gorge and the Gezhouba Shiplock.

Itinerary
Day 1:
Beijing | Yichang | the dam site | Three Gorges Project
Day 2:
Yichang | the Xiling Gorge | the Gezhouba Shiplock | return to Beijing

Rate
5,285 RMB per person

Shisanling (Ming Tomb) pumped storage
Monday 18 May

The total installed capacity of the Shisanling pumped storage power station is 800 MW, and the annual electricity production is 1.2 billion kWh. The station first went into operation in 1995. The main mission of the project is to provide a source of backup power for regulating power load peaks and for contingencies, improving the electricity supply quality for Beijing, reducing frequent output and opening, improving operation conditions and lowering coal consumption. It also provides peak load shifting, frequency modulation and phase modulation.

Participants on this tour will also be taken to the Ming Tombs, which were included in the 2003 World Cultural Heritage list by UNESCO. The Ming Tombs is the name given to 13 mausoleums belonging to emperors from the Ming Dynasty. Of these, the Dingling Underground Palace unveiled in 1956, was the first and only one of the imperial tombs opened to the public.

The Dingling Tomb is the mausoleum of Emperor Zhu Yijun (1563-1620) and his two empresses. Zhu Yijun was the longest reigning Emperor of the Ming Dynasty, occupying the throne for 48 years. Built over six years, the tomb covers 180,000 square meters and is of great historical significance. It attracts millions of visitors every year from all over the world.

Itinerary
18 May 2015:
Beijing | Shisanling pumped storage power station | return to Beijing

Rate
260 RMB per person

Great Wall Networking Tour
Tuesday 19 May

This half-day tour on Tuesday 19 May takes you to a symbol of Chinese civilisation, and one of the wonders of the world – the Great Wall of China. The Great Wall around Beijing was built during the Ming Dynasty, for reasons of fortification. About 70 km north of Beijing, Mutianyu is a masterpiece of restoration, with 22 original style watchtowers.

While it is the longest fully-restored Great Wall section open to tourists, there is also an opportunity for visitors to hike along unrestored sections.

Although the majority of Great Wall visitors see the Badaling section, Mutianyu is less crowded and offers the chance to explore serene views of the mountains and the rolling foothills through which the wall meanders.

Itinerary
8–9am:
Depart congress venue for Mutianyu Great Wall
9am–11am:
Explore Mutianyu Great Wall
11am–12noon:
Lunch and return to congress venue

Rate
520 RMB per person

You can explore the various study tours on these pages.
They all include:
• Return flights from Beijing Airport*
• Transfer from Yanqi Lake to Beijing Airport*
• Bus transfers to sites
• Main entrance fees of each place visited
• Chinese style lunch
• English speaking local tour guide

* Post-congress tours only
Yellow River tour: Xiaolangdi Water Conservancy Project

Friday 22 – Sunday 24 May

This three-day tour will bring you to some of the most breathtaking features and significant technical sites of the sprawling Yellow River, including the Shaolin Temple, the Longmen Grottoes and the Xiaolangdi Water Conservancy Project.

The Xiaolangdi Water Conservancy Project is the key project for harnessing the potential of the Yellow River. Its construction began in 1994 and was completed by the end of 2001. The main function of the project is sediment management and flood control, while it also provides power generation and irrigation.

Shaolin Temple is the most famous temple in China because of its significance in martial arts, or Wushu Chan, as well as its historical role in Chinese Buddhism.

The Longmen Grottoes, located near Luoyang, Henan Province, are a treasure house of ancient Buddhist cave art. The grottoes were hewed out of the cliff at the northern side of Xiling Gorge. It is situated in Henan near the end of the 5th century. At that time, Buddhism was spreading east into China and was venerated by the imperial court.

Itinerary

Day 1: Beijing | Luoyang | White Horse Temple
Day 2: Xiaolangdi Project | Longmen Grottoes
Day 3: Shaolin Temple | Zhengzhou airport or Luoyang Longmen Station | return to Beijing

Rate
5,000 RMB per person

Jinsha River tour: Xiangjiaba and Xiluodu projects

Friday 22 – Sunday 24 May

Jinsha River, on the upper reach of the Yangtze River, is one of China’s abundant hydropower areas with a feasible hydropower potential of 75,000 MW on the main stream.

On this tour participants will be able see some of the most impressive achievements on the river, in particular the newly completed 13,860 MW Xiluodu project. They will also have a chance to come face to face with giant pandas.

On the first day of this tour, participants will visit the Xiangjiaba hydropower project, completed in 2015. The project has a total installed capacity of 6,400 MW.

On day two, the tour visits the Xiluodu hydropower station – the world’s third largest power station, behind the Three Gorges project and Itaipu. Its total installed capacity is 13,860 MW with an annual power output of 57.12 TWh.

On the last day of the tour, participants will visit Chengdu Panda Base: a non-profit research and breeding facility for giant pandas.

Finally, the tour will move on to the Duijiangyan Irrigation System, a world cultural heritage. Constructed in the 3rd century BC, the system still controls the waters of the Minjiang River and distributes it to the fertile farmland of the Chengdu plains.

Itinerary

Day 1: Beijing | Yibin | Xiangjiaba Hydropower Project | Xiluodu
Day 2: Xiluodu Hydropower Project | Yibin | Chengdu
Day 3: Chengdu Panda Base | the ancient Duijiangyan irrigation project | return to Beijing

Rate
6,725 RMB per person

Yangtze River tour: Three Gorges project

Friday 22 – Sunday 24 May

The Yangtze River is home to the China Three Gorges Project – the world’s largest hydropower station – and many of China’s most celebrated cultural sites. This tour captures the most memorable highlights along the river.

On the first day, participants will visit Zigui County, one of the new residences for Three Gorges Project migrants.

From here, they will proceed to visit the Qu Yuan memorial temple. Qu Yuan was a patriotic poet who lived in ancient China, around 340-278 (BC). The traditional Chinese Dragon Boat festival is celebrated to commemorate him.

On day two, participants will visit the Three Gorges project, Xiling Gorge and the Gezhouba shiplock. The Three Gorges Dam is a multi-objective development project with major benefits in flood control, power generation, navigation and more. At 22,500 MW, the project is the world’s largest power station in terms of installed capacity, and in 2014 it broke the world record for annual generation, producing 98.9 TWh.

On day three there will be two options, depending on weather conditions:

Day three option A: Sanyou cave, bestowed with breathtaking natural scenery, is situated in the cliff at the northern side of Xiling Gorge. It is close to the place that Dr Savage, an American engineer who was involved in the initial strategy for the Three Gorges Project, proposed as the dam site, in his 1947 preliminary plan.

Day three option B: The Research Institute of Chinese Sturgeon is devoted to the research and protection of Chinese sturgeon and other rare and endemic aquatic wildlife in the Yangtze River.

Itinerary

Day 1: Beijing | Yichang | Zigui County and Qu Yuan memorial temple
Day 2: Three Gorges Project | Xiling Gorge and the Gezhouba shiplock
Day 3: Option A: Sanyou cave | Option B: Research Centre for Chinese Sturgeon | Three Gorges airport | return to Beijing

Rate
6,135 RMB per person
Tiananmen Square, Forbidden City, Temple of Heaven

Wednesday 20 May

Tiananmen Square is located at the heart of Beijing City, bordered by the Great Hall of the People, Mao Zedong Memorial Hall and the Chinese History Museum. To the north is the vast Tiananmen Tower (Gate of Heavenly Peace), initially built in 1417 during the Ming Dynasty. The Forbidden City, also known as the Palace Museum, was the imperial palace during the Ming and Qing dynasties. It is the world's largest palace complex covering an area of 74 hectares. It was said that there were 9,999 rooms inside the complex, surrounded by a six-metre deep moat and a ten-metre high wall.

The Temple of Heaven was also built during the Ming Dynasty, in 1420. It was where the emperors, who called themselves 'the son of heaven', offered sacrifices to heaven.

Itinerary
Yanqi Lake | Tiananmen Square | Forbidden City | Chinese style lunch | Temple of Heaven | return to Yanqi Lake

Rate
900 RMB per person

Panda Hall in Beijing Zoo, Lama Temple and Summer Palace

Thursday 21 May

Summer Palace is located in the western outskirts of Beijing, about 15 km from the city centre. The beginning of its construction could date back to the Jin Dynasty (1115–1234), and it was extended continuously by the succeeding reign of feudal emperors. Until 1911 it was used for the royal families to spend the summer, and has been open to the public since then.

Beijing Zoo was initially named Ten Thousand Animal Garden built in 1908. It mainly exhibits wild and rare animals from China and around the world. Pandas are a main attraction of the zoo.

The Yonghe Lamasery, or Lama Temple, is a temple and monastery of the Geluk School of Tibetan Buddhism located in the Dongcheng District of Beijing. Lama Temple was built in 1694 in the Qing Dynasty as the residence of the Emperor Yongzheng before his ascension to the throne in 1722, after which half of the building was converted into a lamasery, a monastery for monks of Tibetan Buddhism. The other half remained an imperial palace.

Following Yongzheng's death, the monastery became a residence for large numbers of Tibetan Buddhist monks from Mongolia and Tibet, and so the Yonghe Lamasery became the national centre of Lama administration.

Itinerary
Yanqi Lake | Summer Place | Chinese style lunch | Lama Temple | Panda Hall in Beijing Zoo | return to Yanqi Lake

Rate
900 RMB per person

Congress participants can book special packages for accompanying persons, which include access to evening events. Tours need to be booked separately.

All tours are subject to a minimum number of 16 people attending. To avoid disappointment, be sure to book before 1 April 2015.
Accommodation

Sunrise Kempinski, the venue for the congress, is also the recommended hotel for participants.

Designed by Shanghai Huadu Architect Design Co., the Sunrise Kempinski hotel offers far-reaching views over the lake, woodland and surrounding mountains. The hotel is part of the Yanqi Lake Kempinski resort and conference complex designed for the 2014 APEC summit.

The Yanqi Lake complex offers guests and their families a unique experience, only a short drive away from Mutianyu Great Wall. Facilities include guestrooms, suites and meeting facilities. Its nine restaurants and bars offer a choice of international and local contemporary cuisine.

Reservations at the Kempinski Sunrise can be made after registration for the congress via the congress official agent, CYTS. Single and double rooms are priced at RMB 1280, including value-added tax (6.72%) and single or double buffet breakfast. Terms and conditions can be obtained via the congress official agent.

Other accommodation options

The Yanqi Lake Kempinski complex includes other boutique hotels, for which information can be obtained via the congress official agent. If you would prefer to book at another hotel, where transfers will be available, contact CYTS. Please note that although everything will be done to ensure a smooth experience, the organisers cannot guarantee that English-speaking staff available at all times outside of the Kempinski complex.

Participants are free to book their accommodation separately, however they may have to arrange their own transfers to and from the venue and airport.

Once you have registered for the congress, please ensure that you make your accommodation booking as soon as possible. There is a limit on room availability, which will be allocated on a first come, first served basis.
registration form

Please fill out this form and return it to the congress secretariat. Instructions and contact details are on the back of this form. We may contact you later for further information about your registration.

**Participant information**

- **Title (Mr, Ms, Dr, other):**
- **First Name:**
- **Surname (Family Name):**
- **Job title:**
- **Organisation:**

**Passport information**

- **Passport number:**
- **Nationality:**
- **Date of expiry (DD/MM/YYYY):**
- **Date of birth (DD/MM/YYYY):**

**Contact details**

- **Email address:**
- **Cc email address:**
- **Work Address:**
- **Town/city:**
- **State/province:**
- **Post/zip code:**
- **Country:**
- **Tel. number (incl. country code):**
- **Mobile number (incl. country code):**
- **Fax number (incl. country code):**

**Your programme**

Please select the sessions in which you would like to participate.
Please be aware that some sessions run in parallel on 20 and 21 May.

**19 May**

- **AFRICA**
  - **9:00 - 10:30:** Setting the scene
  - **11:30 - 13:00:** The future of hydropower
  - **14:30 - 16:00:** Closing ceremony and dinner

**20 May**

- **ASIA**
  - **9:00 - 10:30:** The future of hydropower
  - **11:30 - 13:00:** The future of hydropower
  - **14:30 - 16:00:** The future of hydropower

**21 May**

- **Conclusion**

hydropower.org/congress
I am not a member of IHA, and I would like more information about membership

register online: hydropower.org/congress

Send your completed form by email to: congress@hydropower.org or by fax at: +44 20 8643 5600

*Payment is due within 15 days of registration, and before 11th May 2015. An invoice will be issued to participants paying by bank transfer. Once payment is confirmed, an acknowledgement of registration will be sent to you by email. Please contact us if you have any questions.